

Table F2
ENTITY CLASSES
Existing TSSDS v. 1.75 Data Model Structure

KEY COLUMN	ENTITY CLASS NAME	ENTITY SET NAME	ENTITY CLASS ABBREVIATION	MAP PREFIX	VERSION	DEFINITION	IDEF MODEL NAME	STANDARDS	EDIT STATUS
200001	auditory_noise	auditory	noi	aunoi	1.40	The generation, detection, and sampling of noise or other sound effects.	aunoi175	TSSDS	
200002	boundary_jurisdiction	boundary	jur	bdjur	1.60	Geographical areas divided for political, jurisdictional, economic, and representational purposes.	bdjur175	TSSDS	
200003	buildings_general	buildings	gen	bggen	1.40	Man-made structures located on the face of the earth that were created to protect man and his possessions from the environment; or to enhance man's activities.	bggen175	TSSDS	
200004	cadastre_dod_property	cadastre	dod	cddod	1.40	The property owned by or being used by the United States Department of Defense.	cddod175	TSSDS	
200005	cadastre_real_estate	cadastre	rel	cdrel	1.40	Areas representing specific ownership or zoning issues of property.	cdrel175	TSSDS	
200006	common_general	common	gen	cmgen	1.75	The description of components of data that are common to all entity sets, entity classes, entity types, entities, and attribute tables.	cmgen175	TSSDS	update
200007	common_grid	common	grd	cmgrd	1.40	Regular patterns of horizontal and vertical lines used to represent regular and irregular coordinate intervals along the x and y axis. Grids can be used to generate arbitrary reference systems which are common on gazeteer maps.	cmgrd175	TSSDS	
200008	common_metadata	common	met	cmmet	1.75	The information that describes a data set or subsets. Metadata can describe a set of data as large as an entire installation or as small as an individual building.	cmmet175	TSSDS	update
200009	common_dictionary	common	dic	cmdic	1.75	The dictionary description of entity set, entity class, entity type, entity, attribute table, attribute, and domain database components.	cmdic175	TSSDS	update
200010	common_media	common	med	cmmed	1.75	Component digital forms of data that are associated with and are common to many graphic entities, and their descriptive attributes.	cmmed175	TSSDS	update
200011	cultural_management	cultural	mgt	crmgt	1.40	The actions taken to assist or control cultural resources.	crmgt175	TSSDS	
200012	cultural_historic	cultural	hst	crhst	1.40	The areas or structures which have relevance to the past.	crhst175	TSSDS	
200013	cultural_archeological	cultural	arc	crarc	1.40	The actions or activities to explore or further understand items of historical significance.	crarc175	TSSDS	
200014	cultural_general	cultural	gen	crgen	1.75	The actions or activities to explore or further understand items of historical significance.	crgen175	TSSDS	update
200015	env_haz_site_management	environmental_hazards	sit	ehsit	1.40	Site management information concerning a site where environmental hazards are, or may be, located.	ehsit175	TSSDS	
200016	env_haz_characterization	environmental_hazards	cha	ehcha	1.40	Activities, processes, and equipment involved in collecting and analyzing a representative part of a larger item for the purpose of determining, or showing, evidence of quality or composition.	ehcha175	TSSDS	
200017	env_haz_hazmat_hazwaste_manage	environmental_hazards	hwm	ehhwm	1.40	Management of contained and bulk products or substances which serve a useful purpose (materials), and products which no longer serve a useful purpose (waste), which, without proper precautions may be hazardous to the environment.	ehhwm175	TSSDS	
200018	env_haz_munmat_munwaste_manage	environmental_hazards	mmw	ehmmw	1.40	Management of contained and bulk chemical compounds, mixtures, and devices whose primary purpose is to function by detonation or deflagration with instantaneous release of heat and gases.	ehmmw175	TSSDS	
200019	env_haz_solid_waste_management	environmental_hazards	swm	ehswm	1.40	Management of solid, semi-solid, liquid, or containerized gaseous wastes that are discarded and may or may not be hazardous.	ehswm175	TSSDS	
200020	env_haz_pollution_remediation	environmental_hazards	rem	ehrem	1.40	Activities involving the treatment, reduction, or removal of environmental hazards.	ehrem175	TSSDS	
200021	env_haz_bldg_hazard_remediation	environmental_hazards	bdh	ehbdh	1.40	Activities involving the evaluation, investigation, study, treatment, reduction, or removal of items, materials, or conditions associated with buildings and structures which pose an environmental hazard.	ehbdh175	TSSDS	
200022	env_haz_emergency_preparedness	environmental_hazards	emp	ehemp	1.40	Items or features maintained and available for use in responding to environmental hazard type emergencies and spills.	ehemp175	TSSDS	
200023	env_haz_munitions_remediation	environmental_hazards	mrn	ehmrn	1.40	Activities involving the evaluation, investigation, study, treatment, reduction, or removal of munition hazards.	ehmrn175	TSSDS	
200024	env_haz_general	environmental_hazards	gen	ehgen	1.40	Miscellaneous information and items associated with a site where environmental hazards are, or may be located.	ehgen175	TSSDS	
200025	env_haz_air_pollution	environmental_hazards	air	ehair	1.40	Activities involving the evaluation, investigation, and study of natural and man-made substances, materials, and conditions in the air which are, or have the potential to be, detrimental to life and ecosystems on the earth.	ehair175	TSSDS	
200026	env_haz_soil_pollution	environmental_hazards	soi	ehsoi	1.40	Activities involving the evaluation, investigation, and study of natural and man-made substances, materials, and conditions in the soil which are, or have the potential to be, detrimental to life and ecosystems on the earth.	ehsoi175	TSSDS	
200027	env_haz_groundwater_pollution	environmental_hazards	gwt	ehgwt	1.40	Activities involving the evaluation, investigation, and study of natural and man-made substances, materials, and conditions in the groundwater which are, or have the potential to be, detrimental to life and ecosystems on the earth.	ehgwt175	TSSDS	
200028	env_haz_surface_water_pollution	environmental_hazards	swt	ehswt	1.40	Activities involving the evaluation, investigation, and study of natural and man-made substances, materials, and conditions in the surface water which are, or have the potential to be, detrimental to life and ecosystems on the earth.	ehswt175	TSSDS	
200029	env_haz_sediment_pollution	environmental_hazards	sed	ehsed	1.40	Activities involving the evaluation, investigation, and study of natural and man-made substances, materials, and conditions in the sediment which are, or have the potential to be, detrimental to life and ecosystems on the earth.	ehsed175	TSSDS	

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200030	env_haz_general_pollution	environmental_hazards	pol	ehpol	1.40	Activities involving the evaluation, investigation, and study of natural and man-made substances, materials, and conditions affecting more than one matrix which are, or have the potential to be, detrimental to life and ecosystems on the earth.	ehpol175	TSSDS	
200031	fauna_habitat	fauna	hab	fahab	1.60	The areas where animal life exists or thrives fauna. This class is included to represent the aggregate fauna population. For specific species management, use the appropriate family Entity Class.	fahab175	TSSDS	
200032	fauna_management	fauna	mgt	famgt	1.40	The actions taken to assist or control animal life.	famgt175	TSSDS	
200033	fauna_general	fauna	gen	fagen	1.75	The areas where animal life exists or thrives.	fagen175	TSSDS	update
200034	flora_habitat	flora	hab	flhab	1.60	The areas where plant life exists or thrives. This class is included to represent the aggregate flora population. For specific species management, use the appropriate family Entity Class.	flhab175	TSSDS	
200035	flora_management	flora	mgt	flmgt	1.40	Human activities designed to assist or control plant life.	flmgt175	TSSDS	
200036	flora_general	flora	gen	flgen	1.75	The actions taken to assist or control plant life.	flgen175	TSSDS	update
200037	geodetic_survey	geodetic	srv	gdsrv	1.40	Specific recording or documenting the locations on the surface of the earth	gdsrv175	TSSDS	
200038	geology_surface	geology	sur	gesur	1.40	The geologic formations or activities which exist at the surface of the earth.	gesur175	TSSDS	
200039	geology_tectonic	geology	tec	getec	1.40	The geologic formations or activities which relate to the movement of the earth's plates.	getec175	TSSDS	
200040	geology_lithology	geology	lth	gelth	1.60	The science dealing with the physical characteristics of rock; i.e. color, mineral composition and grain size.	gelth175	TSSDS	
200041	geology_subsurface	geology	sub	gesub	1.40	The geologic formations or activities which exist below the surface of the earth.	gesub175	TSSDS	
200042	hydrography_surface	hydrography	sur	hysur	1.40	The scientific description and analysis of the physical conditions, boundaries, flow, and related characteristics of earth's surface waters	hysur175	TSSDS	
200043	hydrography_subsurface	hydrography	sub	hysub	1.40	The scientific description and analysis of the physical conditions, boundaries, flow, and related characteristics of earth's subsurface fresh waters.	hysub175	TSSDS	
200044	hydrography_floodplain	hydrography	flp	hyflp	1.40	Lowland and relatively flat areas adjoining inland and coastal waters including flood prone areas of offshore islands. FEMA has categorized floodplains into 100-year (1% change of flooding in a year) and 500-year (0.2% chance of flooding in a year) zones	hyflp175	TSSDS	
200045	hydrography_hydrobasin	hydrography	hdb	hyhdb	1.40	The areas on the surface of the earth where rain water is likely to collect.	hyhdb175	TSSDS	
200046	hydrography_coastal_zone	hydrography	czn	hyczn	1.60	The transition zone where the land meets the water, the region that is directly influenced by marine and lacustrine hydrodynamic processes. Extends offshore to the continental shelf break and onshore to the first major change in topography above the beach	hyczn175	TSSDS	
200047	hydrography_wetland	hydrography	wet	hywet	1.40	Transitional lands between terrestrial and aquatic systems where the water table is usually at or near the surface or the land is covered by shallow water. The soils are predominantly saturated with water and the plants and animals that live there are sp	hywet175	TSSDS	
200048	improvement_general	improvement	gen	imgen	1.60	Man-made features having a generic or multiple purpose.	imgen175	TSSDS	
200049	improvement_flood_control	improvement	fdc	imfdc	1.60	Man-made features designed to control excessive rainfall and/or restrict the flow of watercourses, and the extent of water bodies.	imfdc175	TSSDS	
200050	improvement_outdoor_recreation	improvement	rec	imrec	1.60	Areas of land or features designated for individual or group use for recreation or leisure.	imrec175	TSSDS	
200051	land_status_general	land_status	gen	lsgen	1.40	Areas of land where specific status is affected by the use of land.	lsgen175	TSSDS	
200052	land_status_land_condition	land_status	cnd	lscnd	1.40	Areas of land specified as their use or condition.	lscnd175	TSSDS	
200053	land_status_land_management	land_status	mgt	lsmgt	1.40	Areas of land controlled or designated for specific puposes or uses.	lsmgt175	TSSDS	
200054	landform_hypsography	landform	hyp	lfhyp	1.60	The science dealing with the elevation of an area above some known reference or datum, such as mean sea level.	lfhyp175	TSSDS	
200055	landform_topography	landform	top	lftop	1.40	The relative position of the natural, physical features of a place or region that describes the configuration	lftop175	TSSDS	
200056	military_air_operations	military_operations	air	mlair	1.75	Operations or exercises of military aircraft and their related airspace.	mlair175	TSSDS	update
200057	military_training	military_operations	tng	mltng	1.75	Areas or facilities used to maintain the readiness of military personnel or equipment.	mltng175	TSSDS	update
200058	military_safety	military_operations	sft	mlsft	1.75	Control of the well being of military personnel or equipment during military operations.	mlsft175	TSSDS	update
200059	military_security	military_operations	sec	mlsec	1.75	Control of access to sensitive military operations, training, materials, or equipment.	mlsec175	TSSDS	update
200061	olfactory_general	olfactory	gen	olgen	1.40	General information regarding odors in the atmosphere.	olgen175	TSSDS	
200062	soil_general	soil	gen	sogen	1.40	The general characteristics of the unconsolidated materials above bedrock.	sogen175	TSSDS	
200063	transportation_pedestrian	transportation	ped	trped	1.40	Relating to movement of individuals or individual traffic.	trped175	TSSDS	
200064	transportation_vehicle	transportation	veh	trveh	1.40	Relating to movement of automobiles, trucks, or other vehicles.	trveh175	TSSDS	
200065	transportation_railroad	transportation	rrd	trrrd	1.40	Relating to movement of individuals or freight over rails.	trrrd175	TSSDS	
200066	transportation_air	transportation	air	trair	1.40	Relating to movement through the air or air traffic.	trair175	TSSDS	
200067	transportation_airfield_facility	transportation	aff	traff	1.40	The infrastructure necessary to support airfields.	traff175	TSSDS	
200068	utilities_general	utilities	gen	utgen	1.40	The components of a utility system which are universal in use and purpose and do not belong to a specific utility.	utgen175	TSSDS	

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200069	utilities_water_system	utilities	wat	utwat	1.40	The components of a water system including pipes, fittings, valves, fixtures, treatment plants, etc.	utwat175	TSSDS	
200070	utilities_natural_gas_system	utilities	gas	utgas	1.40	The components of a natural gas distribution system consisting of pipes, fittings, fixtures, etc.	utgas175	TSSDS	
200071	utilities_electrical_system	utilities	ele	utele	1.40	The components of an electrical distribution system including cables, switches, devices, motors, transformers, etc.	utele175	TSSDS	
200072	utilities_cntrl_mntr_system	utilities	ecm	utecm	1.40	The components of an electronic monitoring and control (emcs) system including cables, devices, etc.	utecm175	TSSDS	
200073	utilities_storm_system	utilities	sto	utsto	1.40	The components of a storm drainage collection system including pipes, fittings, fixtures, etc.	utsto175	TSSDS	
200074	utilities_wastewater_system	utilities	wwt	utwwt	1.40	The components of a wastewater collection system including pipes, fittings, fixtures, treatment plants, collection locations, etc.	utwwt175	TSSDS	
200075	utilities_industrial_system	utilities	inw	utinw	1.40	The components of an industrial waste collection system including pipes, fittings, fixtures, tanks, lagoons, etc.	utinw175	TSSDS	
200076	utilities_fuel_system	utilities	ful	utful	1.40	The components of a fuel distribution system consisting of pipes, fittings, fixtures, pumps, tanks, etc.	utful175	TSSDS	
200077	utilities_heat_cool_system	utilities	hcs	uthcs	1.40	The components of a heating and cooling distribution system consisting of pipes, fittings, fixtures, etc.	uthcs175	TSSDS	
200078	visual_general	visual	gen	vsge	1.40	General information relative to material which is visible in the atmosphere.	vsge175	TSSDS	
200079	auditory_management	auditory	mgt	aumgt	1.60	Actions or objects intended to control or mitigate the effects of noise production.	aumgt175	TSSDS	
200080	boundary_economic	boundary	eco	bdeco	1.60	Boundaries or areas where economic control, authority, customs, or trade regulation are in effect.	bdeco175	TSSDS	
200081	cadastre_plss	cadastre	pls	cdpls	1.60	Information relating to the United States Public Land Surveying System.	cdpls175	TSSDS	
200082	climate_general	climate	gen	clgen	1.60	The general state of the atmosphere that surrounds the earth and instruments and observations that monitor it.	clgen175	TSSDS	
200083	climate_precipitation	climate	pcp	clpcp	1.60	The characteristics which are represented by various forms of water which fall upon the surface of the earth.	clpcp175	TSSDS	
200084	climate_temperature	climate	tmp	cltmp	1.60	The thermal state of the atmosphere that surrounds the earth.	cltmp175	TSSDS	
200085	communications_cable_television	communications	ctv	coctv	1.60	Lines, junctions, and devices in support of cable television distribution.	coctv175	TSSDS	
200086	communications_general	communications	gen	cogen	1.60	Antenna and other infrastructure which support the transmission and reception of electromagnetic signals.	cogen175	TSSDS	
200087	communications_microwave	communications	mic	comic	1.60	Relating to the transmission and reception of microwaves for the purpose of communication.	comic175	TSSDS	
200088	communications_telephone	communications	tel	cotel	1.60	Lines, junctions, distribution control boxes, and other devices support the connections of telephone systems.	cotel175	TSSDS	
200089	env_haz_regulated_tank_manage	environmental_hazards	tnk	ehtnk	1.60	Management of storage tanks which are subject to compliance with environmental regulations.	ehtnk175	TSSDS	
200090	fauna_amphibia	fauna	amp	faamp	1.60	Specific species management documentation relating to amphibia fauna. This class was designed to be used to document ranges, habitats, and sites of individual amphibia species.	faamp175	TSSDS	
200091	fauna_aves	fauna	ave	faave	1.60	Specific species management documentation relating to aves fauna. This class was designed to be used to document ranges, habitats, and sites of individual aves species.	faave175	TSSDS	
200092	fauna_crustacea	fauna	cru	facru	1.60	Specific species management documentation relating to crustacea fauna. This class was designed to be used to document ranges, habitats, and sites of individual crustacea species.	facru175	TSSDS	
200093	fauna_insecta	fauna	ins	fains	1.60	Specific species management documentation relating to insecta fauna. This class was designed to be used to document ranges, habitats, and sites of individual insecta species.	fains175	TSSDS	
200094	fauna_mammalia	fauna	mam	famam	1.60	Specific species management documentation relating to mammalia fauna. This class was designed to be used to document ranges, habitats, and sites of individual mammalia species.	famam175	TSSDS	
200095	fauna_mollusca	fauna	mol	famol	1.60	Specific species management documentation relating to mollusca fauna. This class was designed to be used to document ranges, habitats, and sites of individual mollusca species.	famol175	TSSDS	
200096	fauna_pisces	fauna	pis	fapis	1.60	Specific species management documentation relating to pisces fauna. This class was designed to be used to document ranges, habitats, and sites of individual pisces species.	fapis175	TSSDS	
200097	fauna_reptilia	fauna	rep	farep	1.60	Specific species management documentation relating to reptilia fauna. This class was designed to be used to document ranges, habitats, and sites of individual reptilia species.	farep175	TSSDS	
200098	flora_bryoid	flora	bry	fbry	1.60	Specific species management documentation relating to bryoid. This class was designed to be used to document ranges, habitats, and sites of individual bryoid species.	fbry175	TSSDS	
200099	flora_epiphyte	flora	epi	flepi	1.60	Specific species management documentation relating to epiphyte. This class was designed to be used to document ranges, habitats, and sites of individual epiphyte species.	flepi175	TSSDS	
200100	flora_herb	flora	hrb	flhrb	1.60	Specific species management documentation relating to herbs. This class was designed to be used to document ranges, habitats, and sites of individual herb species.	flhrb175	TSSDS	
200101	flora_liana	flora	lia	flia	1.60	Specific species management documentation relating to liana. This class was designed to be used to document ranges, habitats, and sites of individual liana species.	flia175	TSSDS	
200102	flora_shrub	flora	shr	flshr	1.60	Specific species management documentation relating to shrubs. This class was designed to be used to document ranges, habitats, and sites of individual shrub species.	flshr175	TSSDS	
200103	flora_thallophyte	flora	thl	flthl	1.60	Specific species management documentation relating to thallophyte. This class was designed to be used to document ranges, habitats, and sites of individual thallophyte species.	flthl175	TSSDS	
200104	flora_tree	flora	tre	fltre	1.60	Specific species management documentation relating to trees. This class was designed to be used to document ranges, habitats, and sites of individual tree species.	fltre175	TSSDS	
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200105	geodetic_usgs	geodetic	sgs	gdsgrs	1.75	Data relating to surveying and mapping by the United States Geological Survey under the Department of the Interior.	gdsgrs175	TSSDS	update
200106	hydrography_ice_and_snow	hydrography	ice	hyice	1.60	The areas on the surface of the Earth perennially covered by ice or snow.	hyice175	TSSDS	
200107	hydrography_management	hydrography	mgt	hymgt	1.60	Areas designated to assist in the storage and management of rainwater.	hymgt175	TSSDS	

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200108	improvement_erosion_control	improvement	ero	imero	1.60	Man-made features designed to limit the effect of waves and currents along the banks of watercourses and waterbodies.	imero175	TSSDS	
200109	improvement_machinery	improvement	mac	immac	1.60	Large equipment or apparatus used for movement of material/personnel, or other miscellaneous machinery.	immac175	TSSDS	
200110	improvement_wells	improvement	wel	imwel	1.60	Relating to holes drilled or dug into the ground for the purpose of removing or injecting liquids or gases, or for monitoring ground conditions.	imwel175	TSSDS	
200111	landform_bathymetry	landform	bth	lfbth	1.60	The science of measuring and charting the depth of seas, lakes, and other bodies of water and the bottom structures of those waters.	lfbth175	TSSDS	
200112	military_public_relations	military_operations	gen	mlpub	1.60	The reporting or recording of accidents, incidents, or other events of interest to the general public.	mlpub175	TSSDS	
200113	transportation_general	transportation	gen	trgen	1.60	Relating to transportation features which are used in support of a variety of transportation functions or which are under construction and not yet in use.	trgen175	TSSDS	
200114	transportation_lock_system	transportation	loc	trloc	1.60	The movement of ships, boats, barges, and tugs from one water level to another.	trloc175	TSSDS	
200115	transportation_marine	transportation	mar	trmar	1.60	Relating to the movement of ships and other large vessels from one location to another.	trmar175	TSSDS	
200116	transportation_marine_navigation	transportation	nav	trnav	1.60	Relating to nautical navigation aids, the marking of shipping lanes and channels, as well as hazards to marine navigation.	trnav175	TSSDS	
200117	transportation_ports_and_harbors	transportation	hrb	trhrb	1.60	Relating to marine terminals, ports, harbors, and other locations where passengers and cargo are transferred to and from ships in protected waters.	trhrb175	TSSDS	
200118	utilities_electrical_ext_light	utilities	exl	utextl	1.60	The components of an electrical exterior lighting system including cables, switches, devices, transformers, etc.	utextl175	TSSDS	
200119	visual_aesthetic_view	visual	aes	vsaes	1.60	Relating to the overall aesthetic value of a particular scene or view.	vsaes175	TSSDS	
200120	improvement_athletic_recreation	improvement	ath	imath	1.60	Improved areas of land or features designated for individual or group use for sports or athletic events.	imath175	TSSDS	
200121	utilities_saltwater_system	utilities	swt	utswt	1.75	The components of a salt water collection system.	utswt175	TSSDS	new
200122	flora_preservation	flora	prz	flprz	1.75	Specific preservation activities that are intended to protect and preserve the natural environment.	flprz175	TSSDS	new
200123	boundary_public_safety	boundary	pub	bdpub	1.75	Relating to the control of areas defined for public safety issues such as fire, rescue, or police.	bdpub175	TSSDS	new
200123	utilities_compressed_air_system	utilities	air	utair	1.75	The components of a compressed air system.	utair175	TSSDS	new